

K042573

OCT 18 2004

## 510(K) SUMMARY

**Submitter:** KLS-Martin, L.P.  
11239-1 St. Johns Industrial Parkway South  
Jacksonville, FL 32246  
Phone: 904-641-7746  
Fax: 904-641-7378

**Contact Person:** Jennifer Damato  
Director RA/QA

**Date of Summary:** 15 September 2004

**Device Name:** KLS Martin Drill Free® MMF Screw

**Trade Name:** Drill Free® MMF Screw

**Common Name:** Screw, Fixation, Intraosseous

**Classification  
Name and Number:** Intraosseous fixation screw or wire  
(CFR 872.4880)

**Regulatory Class:** Class II

**Predicate Devices:** KLS Martin MMF Screw (K980760)  
  
Centre-Drive Drill-Free® Screw (K971297)  
  
KLS-Martin Ortho Anchorage System  
(K033483)

**Intended Use:** The KLS-Martin Drill Free® MMF Screw is intended for use in maxillomandibular fixation to provide stabilization of fractures of the maxilla, mandible, or both.

**Device  
Description:** The KLS-Martin Drill Free® MMF Screw provides temporary occlusal and fracture stabilization. These screws may be applied prior to or after exposure of the fracture.

## **Technological Characteristics:**

### **Similarities to Predicate**

The KLS-Martin Drill Free<sup>®</sup> MMF Screw is identical in intended use as the KLS Martin MMF Screw (K980760)

The KLS-Martin Drill Free<sup>®</sup> MMF Screw is identical in application as the Centre-Drive Drill-Free<sup>®</sup> Screw (K971297) and the KLS-Martin Ortho Anchorage System (K033483)

### **Differences to Predicate**

The KLS Martin MMF Screw (K980760) requires a pilot hole to be drilled prior to implantation. The KLS-Martin Drill Free<sup>®</sup> MMF Screw is a self tapping screw that does not require a pilot hole prior to implantation.

## **Substantial Equivalence:**

The KLS-Martin Drill Free<sup>®</sup> MMF Screw is substantially equivalent in intended use as the KLS Martin MMF Screw (K980760) and is substantially equivalent in application as the Centre-Drive Drill-Free<sup>®</sup> Screw (K971297) and the KLS-Martin Ortho Anchorage System (K033483)



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

OCT 18 2004

Ms. Jennifer Damato  
Director, Regulatory Affairs Quality Assurance  
KLS-Martin, L.P.  
11239-1 St. John's Industrial Parkway South  
Jacksonville, Florida 32246

Re: K042573  
Trade/Device Name: KLS Martin Drill Free® MMF Screws  
Regulation Number: 872.4880  
Regulation Name: Intraosseous Fixation Screw or Wire  
Regulatory Class: II  
Product Code: DZL  
Dated: September 15, 2004  
Received: September 21, 2004

Dear Ms. Damato:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

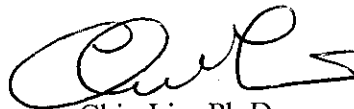
If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0115. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,



Chiu Lin, Ph.D.

Director

Division of Anesthesiology, General Hospital,

Infection Control and Dental Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

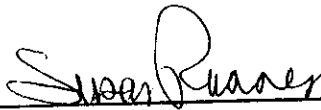
## Indications for Use

510(k) Number (if known):

Device Name: KLS Martin Drill Free® MMF Screws

Indications For Use:

The KLS Martin Drill Free® MMF Screws is intended for use in maxillomandibular fixation to provide stabilization of fractures of the maxilla, mandible, or both.



(Division Sign-Off)  
Division of Anesthesiology, General Hospital,  
Infection Control, Dental Devices

510(k) Number: \_\_\_\_\_

K042573

Prescription Use ☒  
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

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